

Center for Controlled Chemical Delivery

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<u>Overview</u>	<u>Technologies</u>	<u>Status</u>	<u>Economic Impact</u>
Current State Contract \$100,000	*Membrane transport	*Secured eight US patents and currently has five more pending	*TheraTech Inc. spinoff has 41 employees with \$2.5 M in sales in 1990
Matching Funds \$895,844	*Novel hydrogels	*CCCD is the world center in medical polymers and drug delivery systems	*New spin-off company, Insutech/TTI formed to specialize in insulin delivery systems
Cumulative \$8,045,204	*Polymeric surfactants	*Sponsors international symposium on drug delivery systems every other year	*Ciba-Geigy funding large projects with patents filed (royalty bearing to U/U)
Center Related Jobs 45	*Macromolecular drugs		*Research Medical, another Utah company now funding centers research on heparin filter
Industry Jobs Created 41	*Heparin removal filters		*Heparin removal filter should produce sales of \$50 million/year
Benefiting Utah Companies 13	*Insulin delivery systems	*Eight patents licensed to two Utah companies	
Insutech			
TheraTech, Inc			
Research Medical			
Patents Applied 9	*Design of nonthrombogenic surfaces	*3 new license agreements	
Patents Issued 1	*Oral delivery of peptides (insulin)	*9 new patents	
License Agreements 3	*Biodegradable polymeric prodrugs	*Over 50 researchers toured CCCD facilities to discuss future research collaboration and joint research	
	*Colon targeting	*Anticancer systems have been chemically modified to make them targetable to cancer cells	